

Birmingham Highways Maintenance & Management (BHMM) PFI Developers Guidance Note (DG04)

Illuminated Traffic signs including sign bollards and beacon poles

This guidance note is intended as a supplement to the road lighting guidance notes and shall be read in conjunction with them and the Birmingham City Council Development Standard Specification for Street Lighting Works latest revision and any specific brief provided by the Authority or Service Provider through the initial consultation period for the scheme. It shall not be taken as a comprehensive specification and it remains the responsibility of the developer to ensure compliance with the full specification.

Requirements

All signs including lighting units shall comply with BS EN 12899 & The Traffic Signs Regulation & General Directions 2002

Where illuminated signs are mounted on affected units, the Developer shall replace the sign and lighting unit for new unless both are in an adequate condition to be re-sited, the Developer shall supply the Authority with a condition report together with supporting photographs for the Authority to accept, unless there is a large number of signs where a site meeting to discuss requirements may be more efficient, this also applies to beacon units mounted on lighting columns.

Illuminated sign/beacon units may be supplied electrically by a secondary supply from the closest unit (within 10m) or by a Distribution Network Operator (DNO) TN-C-S type service, It shall be the responsibility of the Developer to propose the most suitable and economical solution to the Authority. All amendments/additions to secondary supplies shall be undertaken in accordance with BS 7671. The ordering, programming and payment for any involvement from the relevant statutory undertaker shall also form part of the Developers scope.

Where equipment is electrically supplied from an affected unit, where possible the private supply shall be transferred to the new unit, if not then the supply shall be replaced in its entirety or the Incoming service from the unit which is being removed shall be transferred in order to maintain the supply. Cable joints are not acceptable.

Existing ducting may be utilised where possible as long as it can be proved suitable. Where new ducting and associated chambers are required as part of the works, these shall be in accordance with Appendix 5/2

All work undertaken shall be electrically tested in accordance with Appendix 14/71

Equipment Guide

Description	Manufacturer	Description	Product code
Sign Lantern (single)	Signature Ltd	Exlite Delta LED, black, with SS12A 70/35 lux pecu & 76mm post top arm	ELD-LED-21-76SS-PB
Sign Lantern (double)	Signature Ltd	Exlite Delta LED, twin lantern black, with SS12A 70/35 lux pecu & 76mm post top double arm	ELD-LED4-21-76DS-PB
Non –illuminated Bollard Shell	Signature Ltd	Trueflex bollard shell single aspect (any aspect) fluorescent material	SP-TF-1-XX-FLU
Illuminated Bollard Shell	Signature Ltd	Central bollard shell single aspect (Any aspect)	SP-TF-1-XX-FLU
Bollard Base	Signature Ltd	Superior LED baselight, c/w infra red pecu	BL-S-LED-D-07-H
Sign Plates	Morelock	Permanent Glass Reinforced Plastic (MP GRP) with black back and Class 2 reflective face.	N/A
School Patrol Warning equipment	Signature Ltd	Twin Amber LED flashing unit	LED TAFLU
Belisha Beacons	Signature Ltd	LED beacon globe assembly, includes globe , gallery, LED, Flasher, anti vandal collar (excludes post)	PDA-STAYFAST-B+14059
Marker Beacon Post	Signature Ltd	Standard 76x140mm diameter LBP 5800mm o/all 600pd post only, with grey PVC coated c/w two white reflective bands	CI-58-POST
Centre Island Beacon	Signature Ltd	24V stayfast assembly, LED c/w non flashing LED beacon, gallery, anti vandal collar, opal globe and transformer	CIA-STAYFAST-G
Sign posts	SignPost solutions Ltd	Galvanised steel posts both wide base and straight with PVC protection (colour black)	N/A

Where applicable this guidance shall be read in conjunction with other guidance notes for the following aspects:

Doc Ref	Document Title
DG01	Strategic Route and Main Distributor Network and Secondary Distributor Network
DG02	Link Roads and Local Access Roads including Footpaths and Cycle Tracks
DG04	Illuminated Traffic signs including sign bollards and beacon poles

Note: The Developer may propose alternative equipment but this will be deemed as 'non standard' which the cost of maintaining for the life of the PFI (25 years) shall be borne by the Developer.